AMENDMENTS TO THE CLAIMS

Please amend Claim 12 as indicated below.

Please cancel Claims 1-11 and 13-22 without prejudice or disclaimer as indicated below.

Please add the following Claims 23-28 dependent upon allowed Claim 12 as indicated below.

A complete listing of all claims and their status is presented below.

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Currently amended) An apparatus for detecting the movement of insects comprising acoustic emission means including a waveguide for detecting the in-plane, ultrasonic signals generated by the movement of insects in wood and producing electrical signals therefrom, means for processing said electrical signals into a high frequency band (HF) and a low frequency band (LF) and dividing the peak amplitudes of signals within said high frequency band with the peak amplitudes of signals within said low frequency band to produce a HF/LF ratio indicative of movement of said insects.

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (New) The apparatus of Claim 12 wherein said high frequency band (HF) signals are in substantially the range of 25 KHz to 50 KHz.

24. (New) The apparatus of Claim 12 wherein said low frequency band (LF) signals are in substantially the range of 20 KHz to 25 KHz.

25. (New) The apparatus of Claim 12 wherein said HF/LF ratio is indicative of said insects feeding on said wood.

26. (New) The apparatus of Claim 12 including means for selecting a HF/LF ratio of about 2 or greater to substantially eliminate extraneous signals.

27. (New) The apparatus of Claim 12 including means for selecting a HF/LF ratio greater than 2 as valid insect produced signals.

28. (New) The apparatus of Claim 12 wherein said insects are termites.